Name: Date:

Check if Relation is a Function (12 pts classwork, version 35)

1. A relation is expressed as a list of (x, y) ordered pairs.

$$(5, 2) \quad (6, 7) \quad (2, 9) \quad (9, 8) \quad (2, 9)$$

- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

yes

- One-to-one function? Why or why not?

yes

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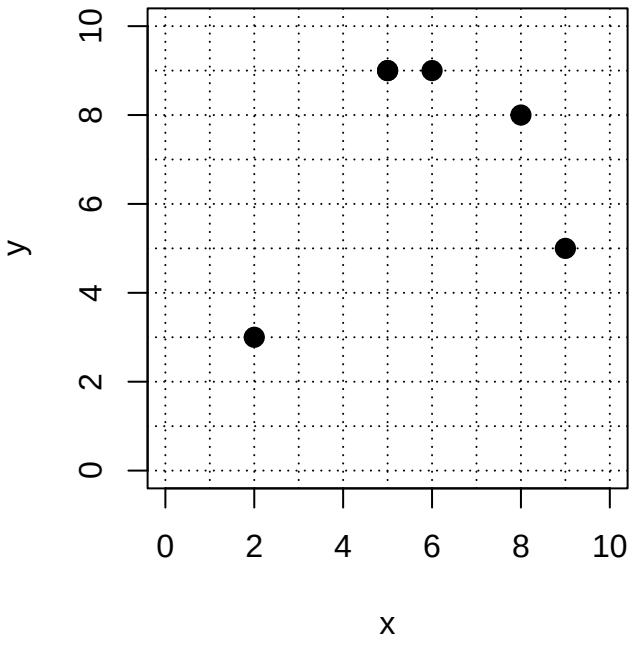
2. A relation is shown as points on a graph.



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

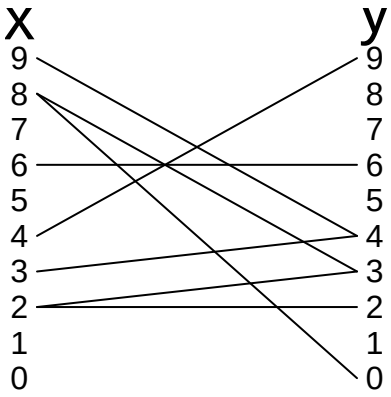
no

- One-to-one function? Why or why not?

no

Check if Relation is a Function (version 35)

3. A relation is shown with segments connecting elements of two sets.



- Is y a function of x? Why or why not?

no

- Is x a function of y? Why or why not?

no

- One-to-one function? Why or why not?

no

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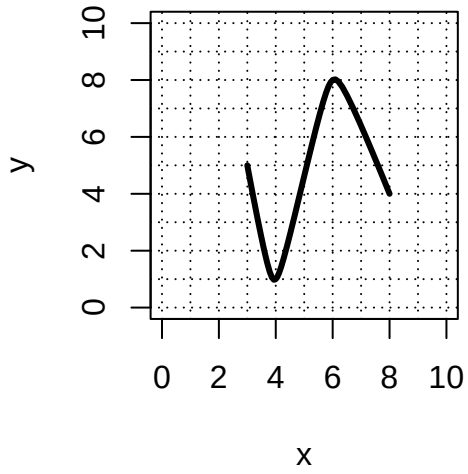
4. A relation is shown as a curve plotted on an x, y plane.



- Is y a function of x? Why or why not?

yes

- Is x a function of y? Why or why not?

no

- One-to-one function? Why or why not?

no